

Roll No.

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COER University

END SEMESTER EXAMINATION, EVEN SEM 2022-23

Time : 3 hours

Total Marks : 100

Program Name : B.Sc.(Hons.) Agriculture

Semester : IV

Course Name : Farming System and Sustainable Agriculture

Course Code : BSAG407

Note: All questions are compulsory. No student is allowed to leave the examination hall before the completion of the time.

| Q. No 1 | Attempt Any Five Parts. Each Question Carries 5 Marks. | CO | BL |
|---------|---|------|-----|
| (a) | Discuss a farming system model under irrigated situation for livelihood security of small and marginal farmers. | CO 1 | 2 |
| (b) | Define advantage and disadvantage of green manure. | CO 1 | 1,2 |
| (c) | How sustainable agriculture beneficial than modern agriculture in detail. | CO 1 | 1,2 |
| (d) | Write about the scope and importance of Farming system. | CO 1 | 1 |
| (e) | Write an account on the Farming system components and their management. | CO 1 | 1 |
| (f) | Briefly describe the different types of farming. | CO 1 | 1 |

| Q. No 2 | Attempt Any Five Parts. Each Question Carries 5 Marks. | CO | BL |
|---------|---|------|-----|
| (a) | Demonstrate the crop rotation management in India with example. | CO 2 | 2 |
| (b) | Outline the features of multiple cropping system. | CO 2 | 2 |
| (c) | Illustrate the traditional farming practices in India. | CO 2 | 2 |
| (d) | List out the advantages and disadvantages of composting. | CO 2 | 1 |
| (e) | Define sequence cropping and its types. | CO 2 | 1,2 |
| (f) | Explain the Diversified farming & its disadvantage. | CO 2 | 1,2 |

| Q. No 3 | Attempt Any Five Parts. Each Question Carries 5 Marks. | CO | BL |
|---------|---|------|-----|
| (a) | Define sustainable agriculture. Discuss concept of sustainable agriculture. | CO 3 | 1 |
| (b) | Discuss the problems and impact of agriculture. Write down the indicators of agricultural sustainability. | CO 3 | 1,2 |
| (c) | Explain present day problem of agriculture. | CO 3 | 2 |
| (d) | Imagine the impact of sustainable agriculture on the Indian economy. | CO 3 | 6 |
| (e) | Explain the principles of Leisa farming. | CO 3 | 6 |
| (f) | Discuss the reasons for sustainable adaptation. | CO 3 | 6 |

| Q. No 4 | Attempt Any Five Parts. Each Question Carries 5 Marks. | CO | BL |
|---------|--|------|-----|
| (a) | How mixed cropping and farming system are differentiated in your own words.(in detail) | CO 4 | 1,2 |
| (b) | Discuss about HEIA & its advantages. | CO 4 | 1,2 |
| (c) | Discuss about advantages of bulky organic manures . | CO 4 | 2 |
| (d) | Highlight the key features of resource cycling in different farming system. | CO 4 | 2 |
| (e) | Give an outline on different agro-climatic zones in India. | CO 4 | 2 |
| (f) | Outline the different season's crops with their examples in brief. | CO 4 | 2 |

-----End of Paper-----